

City of Alameda

Development Application Information:

Impervious Surface Form

What is this form all about?

Urban development has the potential to increase the pollutant load carried by storm water runoff to receiving waters such as San Francisco Bay. Natural vegetated soil can both absorb rainwater and remove pollutants, providing an effective natural purification process. However, since pavement and concrete cannot typically absorb water or remove pollutants, the natural purification characteristics of the land are reduced or lost in the development process. As a provision of the City of Alameda (City)'s municipal storm water discharge permit with the State of California, the City requires development projects to include site planning and design techniques to prevent and minimize impacts to water quality. Minimizing development project impervious surfaces is one important technique for protecting water quality. The use of this form encourages project developers to incorporate such site planning and design techniques at the earliest development application stage and provides City staff with a tool to track this effort. Contact City Clean Water Program (CWP) staff at (510) 749-5840 with any questions regarding the accurate completion of this form. Incorrect impervious surface area calculations may delay project application review and/or issuance of permit(s).

Do I need to fill out this form for my proposed project?

- 1) Is the proposed project going to have a footprint of 5,000 square feet or more?
If your answer is Yes, Go to 2).
If your answer is No, STOP; you do not need to complete the Impervious Surface Form.
- 2) Will the proposed project create or replace any impervious surfaces (see definition below)?
If your answer is Yes, complete the Impervious Surface Form.
If your answer is No, STOP; you do not need to complete the Impervious Surface Form.

Complete this form at the development application stage. It may also be necessary to update this form at the building application stage for all projects on lots 10,000 square feet or greater. **Projects that receive permit approvals on or after December 1, 2011, may be subject to additional requirements.** A summary of those potential additional requirements and some important definitions are on Page 3.

Directions for filling out this form:

Section One ó *General Project Information*

Please provide all relevant project description information.

Section Two ó *Tables: Impervious Surface Area/Accuracy Verification*

For both the work area's pre-project condition and the project's proposed post-improvement condition, indicate, in units of square feet, the total impervious surface area for each of the surface types listed in left-hand column of the table. For the proposed project impervious surface total, make a mutually exclusive subtotal distinction between (pre-) existing impervious surface that is being replaced with a re-designed impervious surface and new impervious surface that is being installed on currently pervious surface area. Indicate not applicable (i.e., NA) as appropriate. Account for all impervious surface in the work areas at the project location. In the last row of the table, indicate, in units of square feet, the project location's total impervious surface area for both the work area's pre-project condition and the project's proposed (as a total of the replaced and new subtotals) improvements. These pre- and post-project totals should indicate the proposed net increase or decrease in the total impervious surface of the project location. Sign and date the form.

Form Submittal (Questions? Call City CWP staff at (510) 749-5840): City of Alameda Public Works Department, Attn: Clean Water Program staff, 950 West Mall Square, Room 110, Alameda, CA 94501

City of Alameda

Development Application Information: Impervious Surface Form

Section One ó General Project Information

Date of Application: _____

Type of application: ☐ Site development review ☐ Building permit ☐ Parcel/tentative/vesting/tract map
☐ This is an updated form

Project Location or Address: _____ Alameda , CA

Project Name (if applicable): _____

Project Type (check all applicable): ☐ Commercial ☐ Industrial ☐ Residential Subdivision ☐ Mixed Use
☐ Single family residence ☐ Public Agency ☐ Auto-service Facility ☐ Retail Gasoline Outlet ☐ Restaurant
☐ Parking lot

Property Owner's Name: _____

Applicant's Name: _____
☐ Owner ☐ Contractor ☐ Engineer/Architect ☐ Developer

Applicant's Address: _____

Applicant's Phone: _____ **Fax:** _____ **Email:** _____

Parcel/Tract No.: _____ **Lot No.:** _____ **APN #** _____

Total Lot (or Parcel/Tract) Area: _____ Sq.Ft. **Total Work Area (disturbed area):** _____ Sq.Ft.

Section Two ó Tables: Impervious Surface Area/Accuracy Verification

Type of Impervious Surface	Pre-Project Condition of Work Area (sq.ft.), if applicable	Proposed Impervious Surface (IS), in sq. ft.	
		Replaced IS	New IS
Building(s) footprint, Driveway(s), Patio(s), Impervious deck(s)			
Uncovered parking lot (including top deck of parking structure)			
Impervious trails, Miscellaneous paving or structures			
Off-lot Impervious Surface (Streets, Sidewalks and/or Bike lanes built as part of new street)			
Total Impervious Surface in Square Feet			

☐ Check box if this is part of a phased project or plan.

Is total new/replaced uncovered impervious parking, plus total new/replaced impervious surface for an auto-service facility, retail gasoline outlet, and/or restaurant ≥ 5,000 sq. ft.?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, see Notice to Applicants (page 3)
Is the total proposed new/replaced impervious surface ≥ 10,000 sq. ft.?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, stormwater treatment, site design and source control measures are required. See Notice to Applicants (pg.3)

I declare under penalty of perjury, that to the best of my knowledge, the square footage presented herein is accurate and complete. Incorrect impervious area calculations may delay your project application(s) and/or permit(s).

Signature of Applicant Date

Notice to Project Applicants

Additional, New Stormwater Use and Treatment Requirements Will Go Into Effect December 1, 2011

Additional, new, regional requirements mandated by the Regional Water Quality Control Board will affect private development projects beginning December 1, 2011. The following is a summary of applicable new requirements in Provisions C.3.b.ii and C.3.c.i.2 of the San Francisco Bay Region Municipal Regional Stormwater National Pollutant Discharge Elimination System Permit (öMunicipal Regional Permitö or öMRPö). The full text of the MRP may be downloaded at www.cleanwaterprogram.org.

New Restrictions on Methods of Stormwater Treatment

Beginning December 1, 2011, all projects that are required to treat stormwater will need to treat the permit-specified amount of stormwater runoff with the following low impact development methods: rainwater harvesting and reuse, infiltration, evapotranspiration, or biotreatment. However, biotreatment (filtering stormwater through vegetation and soils before discharging to the storm drain system) will be allowed only where harvesting and reuse, infiltration and evapotranspiration are infeasible at the project site. Criteria for determining infeasibility are scheduled to be developed by May 1, 2011. ***Vault-based treatment may not be allowed as a stand-alone treatment measure.*** Where stormwater harvesting and reuse, infiltration, or evapotranspiration are infeasible, vault-based treatment measures may be used in series with biotreatment, for example, to remove trash or other large solids. (See Provision C.3.c.i.2 of the MRP.)

New Rules for Auto Service Facilities, Retail Gasoline Outlets, Restaurants, and Uncovered Parking

Beginning December 1, 2011, projects that create and/or replace 5,000 square feet or more of impervious surface related to all types of auto service facilities, retail gasoline outlets, restaurants¹, and/or surface parking will be required to provide low impact development treatment of stormwater runoff. ***This requirement will apply to uncovered parking that is stand-alone, or included as part of any other development project,*** and it applies to the top uncovered portion of a parking structure, unless drainage from the uncovered portion is connected to the sanitary sewer (see Provision C.3.b.ii.1 of the MRP). For all other land use categories, 10,000 square feet will remain the regional threshold for requiring low impact development, source control, site design, and stormwater treatment, although municipalities have the authority to require treatment to the maximum extent practicable for smaller projects.

Will These Requirements Affect My Project?

- If you submitted a development application that was deemed complete before December 1, 2009, and you ödiligently pursueö the project, the additional, new requirements will not affect your project.
- If you submit a development application that is deemed complete after December 1, 2009, the additional, new requirements will not apply if the development application has received final discretionary approval before December 1, 2011.
- In all other cases, the additional, new requirements will apply.

Important Definitions:

Impervious - Not porous or permeable to fluids.

Impervious surface area - Hard surfaced area (such as a rooftop, paved driveway or parking area, paved walkway or deck) that either prevents or severely restricts the entry of water into the soil or causes increased stormwater runoff.

Pervious pavement underlain with pervious soil or pervious storage material, such as a gravel layer sufficient to hold at least the volume of rainfall runoff specified in Provision C.3.d of the Municipal Regional Stormwater Permit (MRP), is not impervious surface.

¹ Restaurants are described by SIC code 5812 as a location of ö[R]etail sale of prepared food and drinks for on-premise or immediate consumption.ö

² Diligent pursuance may be demonstrated by the project applicantö's submittal of supplemental information to the original application, plans, or other documents required for any necessary approvals of the project.